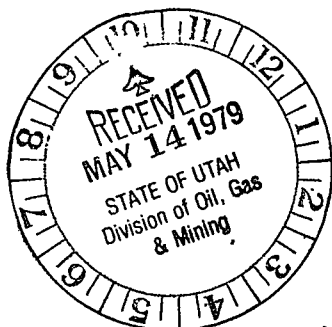


Mine: Sahara Mine
File No: _____

Submitted by: _____
Applicant Energy Fuels
Nuclear, Inc.
Representative M.D. Vincelette,
Vice President - Operations
Address Energy Fuels Nuclear, Inc
3 Park Central, 1515 Arapahoe St.
Denver, Colorado 80202



Division of Oil, Gas, and Mining
1588 West North Temple
SLC, UT. 84116

Re: Commitment to Rule M-10

Gentlemen:

I hereby commit the applicant to comply with Rule M-10, "Reclamation Standards" in its entirety, as adopted by the Board of Oil, Gas, and Mining on March 22n 1978.

The applicant will achieve the reclamation standards for the following categories as outlined from Rule M-10 on all areas of the land affected by this mine, unless a variance is granted in writing by the Division.

<u>Rule</u>	<u>Category of Commitment</u>
M-10(1)	Land Use
M-10(2)	Public Safety & Welfare
M-10(3)	Impoundments
M-10(4)	Slopes
M-10(5)	Highwalls
M-10(6)	Toxic Materials
M-10(7)	Roads and Pads
M-10(8)	Drainages
M-10(9)	Structures & Equipment
M-10(10)	Shafts and Portals
M-10(11)	Sediment Control
M-10(12)	Revegetation
M-10(13)	Dams
M-10(14)	Soils

I believe a variance is justified on a site-specific basis for the following subsections of Rule M-10 for reclamation on this mine and have enclosed as an attachment to this letter a narrative statement setting forth a description of the extent of the variance request and factual reasons for said variance request.

<u>Rule</u>	<u>Category of Variance Request (Narrative Attached)</u>
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STATE OF Utah

COUNTY OF San Juan

I, M. D. Vincelette, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: M. D. Vincelette

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 11 day of May, 1979.

Notary Public: Dennis W. Fox

My Commission Expires: June 2, 1982

SAHARA MINE

Location

The Sahara Mine is a new mine in an old mining district. A new declining entry will be driven from a surface site located on unpatented mine claims in Section 15, Township 22 S., Range 14 E., in Emery County, Utah. The surface site has a vegetation cover of less than 10 percent with various annuals being the dominant species. Perennial species likely to be found in the area would include:

Fourwing Saltbush - *Atriplex canescens*
Rubber Rabbitbrush - *Chrysothamnus nauseosus*
Shadscale Saltbush - *Atriplex confertifolia*
Indian Ricegrass - *Oryzopsis hymenoides*

There is an average of six inches of sandy clay soil with a pH of 9.0 to 9.7 at the site. There are no natural bodies of water in the vicinity except the San Rafael River which is approximately $\frac{1}{2}$ mile to the southwest. Surface runoff collects in small ephemeral drainages which drain into dry washes.

SAHARA MINE

Mine Plan

A declining entry will be driven 3,000 feet in a northeast direction from the surface site to the uranium ore reserves. All ore and waste rock will be transported out of the single entry by trackless vehicles.

The surface site should disturb no more than 13.5 acres. This will allow ample room for necessary support facilities (shop, dry and office buildings), top soil stockpiles, ore pads, developmental rock stockpiles and all reclamation activities. This also includes two future vent holes and the access road to the vent hole sites. Developmental rock will be stockpiled on a designated area which will insure the integrity of the dry wash near the mine site. Ore will be stockpiled at the mine site until it is trucked to the proposed mill in Blanding, Utah.

Access to the mine site will be by way of State Highway U-24 connecting to a company maintained access road. The access road will disturb a total of 1.5 acres.

Drilling has indicated that there will be a mine water discharge. An NPDES permit has been applied for from the EPA. The location of the mine water treatment ponds is indicated on the map.

To maintain the integrity of the treatment ponds a diversion ditch will be constructed of sufficient size to handle a ten-year event. The mine water will be treated with BaCl_2 before being released from the treatment ponds.

All mining will be conducted in a safe, orderly and miner-like fashion.

SAHARA MINE

Reclamation

Prior to construction, topsoil will be removed and stockpiled in a sufficient amount to provide an average of six inches cover for the abandoned surface site.

Upon final abandonment of the Sahara mining operation, all extraneous debris, scrapmetal, discarded wood and unusable buildings will be removed from the site. The mine portal and ventilation boreholes will be sealed to prevent unauthorized or accidental entry. The developmental waste-rock stockpiles will be recontoured to a stable slope of approximately 2:1 or less as conditions will permit. Surface drainage will be contoured to prevent water ponding. Topsoil will be respread to an average depth of six inches over those portions of the site covered with developmental wasterock or gravel. The water treatment ponds will be buried to a sufficient depth to minimize the hazard to the public. All disturbed areas will be scarified, broadcast seeded, and drag covered using the specified seed mixture on MR form 2 Page 3. All disturbed areas will be monitored and reseeded as necessary. Fencing will be employed to protect the seeded areas as it is warranted by grazing pressure on the seeded areas. The use of soil amendments and surface manipulations will be used if needed and shown to be effective in revegetation test plots.

At all times, the mining activity will be conducted in such a manner as to minimize visual and environmental degradation to the area. Only areas which are essential to the mining operation will be disturbed. The disturbed areas will be stabilized and rehabilitated at the earliest opportunity.